

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60M 1204-74217 - Splitter Box

Sample No: LH0268892

Oil Type: LIEBHERR GEAR BASIC 90 LS



Sample Information

Sample Number	LH0268892	LH0236002	LHMC121038	LHMC111780
Sample Date	09 Apr 2024	26 Aug 2022	10 Aug 2017	17 May 2017
Machine Hours	14693	0	8752	7924
Oil Hours	1000	0	0	0
Oil Changed	Changed	N/A	Changed	N/A
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

MIDDLE RIVER MARINE
 1771 SOUTH TORRENCE AVE
 CHICAGO, IL
 US 60617
 Contact: Scott Molitor
 scottmolitor@gomiddleriver.com
 T:
 F:



Oil Condition

Visc @ 40°C	cSt	107	113	146.9	123.0
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Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	2	2	5
Sodium	ppm	5	5	<1	5
Potassium	ppm	1	3	4	6



Wear Metals

Iron	ppm	24	18	227	22
Copper	ppm	4	5	59	7
Lead	ppm	0	<1	<1	0
Tin	ppm	<1	0	3	2
Aluminum	ppm	<1	2	<1	2
Chromium	ppm	<1	<1	2	<1
Molybdenum	ppm	<1	1	0	<1
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	2	1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	86	81	14	553
Magnesium	ppm	28	40	<1	44
Zinc	ppm	108	100	10	288
Phosphorus	ppm	789	649	1295	1197
Barium	ppm	0	0	<1	0
Boron	ppm	63	22	216	4

Diagnosis

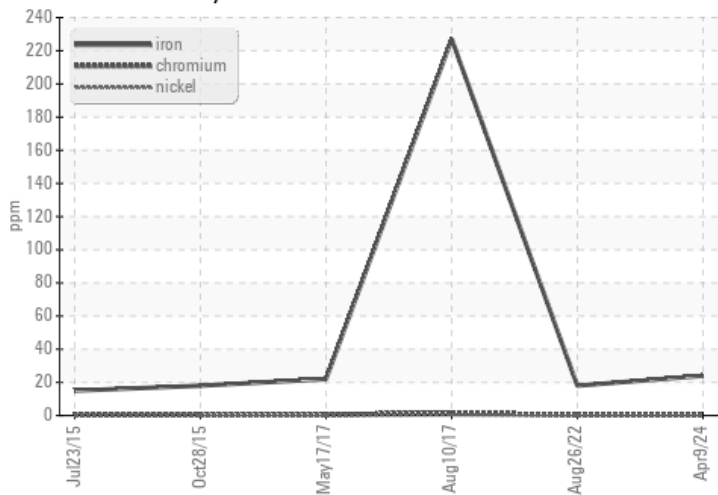
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. The condition of the oil is acceptable for the time in service.

Depot: MIDCHIL
 Unique No: 11004465
 Signed: Sean Felton
 Report Date: 01 May 2024

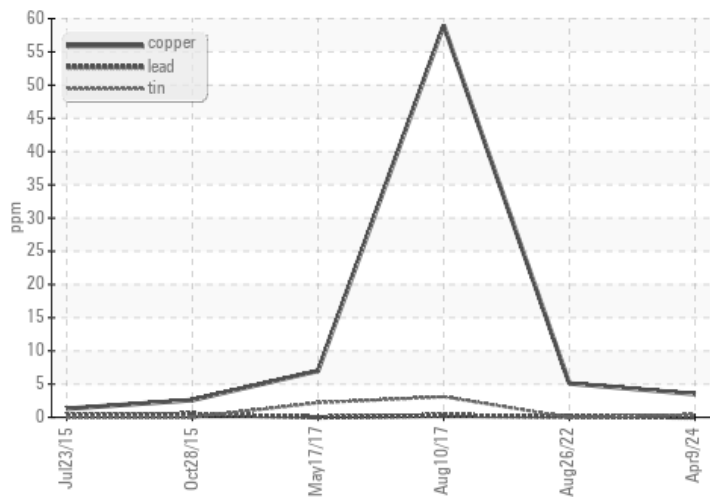


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

